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a housing; an anode in the housing; 3 a cathode in the housing; and 4 5

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a separator between the cathode and the anode;

the housing having a surface adjacent to the cathode, the surface defining an opening adapted to facilitate a generally non-circular flux of gas on a portion of the cathode, wherein the opening is not a louver.

- 2. The battery of claim 1, wherein the flux of gas is generally oval.
- 3. The battery of claim 1, wherein the flux of gas is generally curvilinear.
- The battery of claim 1, wherein the surface defines openings adapted to 4. facilitate, in combination, the generally non-circular flux of gas.
  - 5. The battery of claim 4, wherein the openings are circular.
  - 6. The battery of claim 4, wherein the openings are elongated.
  - The battery of claim 1 wherein the opening is elongated. 7.
  - 8. The battery of claim 7, wherein the opening is generally straight.
  - The battery of claim 7, wherein the opening is curved. 9.
- The battery of claim 1, wherein the surface defines openings symmetrically positioned in the housing.
  - The battery of claim 1, wherein the battery is a metal-air battery. 11.
  - 12. The battery of claim 1, wherein the battery is a button cell.

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- 20. The battery of claim 19, wherein the opening is substantially rectangular.
- 1 21. The battery of claim 19, wherein the opening has a width between about 0.005mm and about 0.50mm.
- 1 22. The battery of claim 19, wherein the opening has a width between about 0.02mm and about 0.16mm.
- 1 23. The battery of claim 19, wherein the opening has a width between about 0.04mm and about 0.08mm.
  - 24. The battery of claim 19, wherein the opening has a length between about 0.05mm and about 20.00mm.
  - 25. The battery of claim 19, wherein the opening has a length between about 0.20mm and about 4.00mm.
  - 26. The battery of claim 19, wherein the opening has a length between about 0.60mm and about 1.20mm.
    - 27. The battery of claim 19, wherein the opening is substantially straight.
  - 28. The battery of claim 19, wherein the opening is curved.
  - 29. The battery of claim 19, wherein the surface defines openings symmetrically positioned in the housing.
- 1 30. The battery of claim 19, wherein the battery is a button cell, and the housing comprises a cathode can having the surface.
- 1 31. The battery of claim 30, wherein the opening extends radially from the center of the cathode can.

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- 1 32. The battery of claim 30, wherein the cathode can defines openings symmetrically positioned in the cathode can.
- 1 33. The battery of claim 30, wherein the surface defines between 4 and 12 openings symmetrically positioned and extending radially from the center of the housing.
  - 34. The battery of claim 30, wherein the surface defines between 8 and 12 openings symmetrically positioned and extending radially from the center of the housing.
  - 35. The battery of claim 30, wherein the cathode can defines rows, each row comprising multiple, collinear elongated openings.
  - 36. The battery of claim 35, wherein the cathode defines between 4 and 12 rows symmetrically positioned and extending radially from the center of the housing.
  - 37. The battery of claim 36, wherein each row comprises between two and four elongated openings.
  - 38. The battery of claim 35, wherein the cathode defines between 5 and 8 rows symmetrically positioned and extending radially from the center of the housing.
  - 39. The battery of claim 38, wherein each row comprises between two and four elongated openings.
  - 40. The battery of claim 19, wherein the surface defines rows, each row comprising multiple elongated openings.
  - 41. A metal-air battery capable of generating a Global System for Mobile pulse voltage greater than about 1.0 volt in less than about 30 seconds.
  - 42. The metal-air battery of claim 41, capable of generating the pulse voltage in less than 20 seconds.

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- The metal-air batterly of claim 41, capable of generating the pulse voltage in less 1 2 than 10 seconds.
- The metal-air battery of claim 41, capable of generating the pulse voltage in less 1 than 5 seconds. 2
- The metal-air battery of claim 41, capable of generating the pulse voltage 45. 1 2 essentially instantaneously.
- The metal-air battery of claim 41, wherein battery comprises a housing defining 1 an elongated opening that is not a louver. 2
  - A metal-air battery capable of undergoing a Global System for Mobile 900 simulation without dropping below about 1.0 volt for at least about 10 hours.
  - The battery of claim 47, capable of undergoing the simulation for at least about 48. 12 hours.
  - The battery of claim 47, capable of undergoing the simulation for at least about 49. 14 hours.
- The battery of claim 47, wherein battery comprises a housing defining an 50. elongated opening that is not a louver. 2
- 51. The battery of claim 1, wherein the flux is elongated. 1
- 52. The battery of claim 1, wherein the battery\is a cylindrical battery. 1
- 53. The battery of clam 14, wherein the battery is a cylindrical battery. 1
- The battery of claim 19, wherein the battery is a cylindrical battery. 54. 1
  - A battery cartridge, comprising: 55.

2		a casing;			
3		a battery in the casing, the battery comprising an elongated opening; and			
4		a slide	moveably engaged with the casing, the slide comprising an elongated opening		
5	alignab	ole with	the elongated opening of the battery.		
1		56.	The cartridge of claim 55, wherein		
2			le is moveable between a first position in which the opening of the slide is		
3	alioned	d with the opening of battery, and a second position in which the opening of the slide is			
4		ligned with the opening of battery.			
1		57.	The cartridge of claim 56, wherein		
2		the slid	le is further moveable to a third position in which the opening of the slide is		
3	partiall	artially aligned with the opening of the battery.			
1 1		58.	The cartridge of claim 55, wherein the casing has a prismatic shape.		
1		59.	The cartridge of claim 58, wherein the casing has the shape of a rectangular		
<sub>2</sub> V	prism.				
1		60.	The cartridge of claim 55, wherein the battery has a rectangular cross section.		
1		61.	The cartridge of claim 55, wherein the battery has a triangular cross section.		
1		62.	The cartridge of claim 1, wherein the battery is a metal-air battery.		
1		63.	An electrochemical power source, comprising:		
2		a metal	-air battery system including an elongated opening and air control member		
3	arrange	ed for re	elative sliding motion to variably cover the opening for controlling exposure to		
4	an oxy	exygen-containing environment.			
1		64.	A battery cartridge, comprising:		
2		a casin	g;		
3		a batter	ry in the casing, the battery comprising:		

4		a cathode having a first side and a second side,			
5		a first layer disposed adjacent to the first side of the cathode, the first layer			
6	being electrica	ally-insulating;			
7		an anode disposed adjacent to the first layer; and			
8		a second layer disposed adjacent to the second side of the cathode, the second			
9	layer being air-permeable and liquid-impermeable and defining an exterior surface of the				
10	battery; and				
11	a slide	moveably engaged with the casing, the slide defining an elongated opening.			
W	65.	The battery of claim 64, wherein the battery is a metal-air battery.			
1	66.	The battery of claim 64, wherein the cathode has a substantially rectangular			
2	cross section.				
1	67.	The battery of claim 64, wherein the cathode has a substantially square cross			
2	section.				